

Title (en)
EXHAUST GAS RECIRCULATION VALVE ASSEMBLY

Publication
EP 0234765 B1 19900207 (EN)

Application
EP 87300894 A 19870202

Priority
• US 83380386 A 19860228
• US 91835986 A 19861014

Abstract (en)
[origin: EP0234765A2] A valve assembly (10) for controlling recirculation of exhaust gases has three solenoid-operated valve members (32) that meter flow of exhaust gases through calibrated outlets (20a) from an exhaust gas chamber (18). Each valve member (32) has a valve stem (30) extending to a respective solenoid armature (28), and each valve stem (30) is surrounded by a pair of spring-biased seals (34,36) that seal openings (44,50) around the valve stem (30) into a respective solenoid coil (24) and the chamber (18). In this assembly (10), each armature-valve member-seal (28,32,34,36) floats laterally to compensate for potential misalignment between the respective solenoid coil (24) and the respective outlet (20a).

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F02M 25/06

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F01N 9/00 (2006.01); **F02M 25/06** (2006.01); **F02M 25/07** (2006.01)

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Cited by
EP0461688A1; US5180039A; ITBA20090039A1; EP0428274A1; GB2207222A; GB2234041A; FR2649465A1; GB2234041B; EP0816732A3; WO9911921A1

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